



CDF Operations Report

All Experimenters Meeting

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Store Summary

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Sep 8, 2003

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Date	Store	Init L	Dur	Del L	Live L (ϵ)	Phys L (ϵ)	Comments
Mo 8/25	2943	41.7	19.4	1484	1304 (88%)	1260 (85%)	LostP 40kHz (1 hr)
Tu 8/26	2953	37.5	14.1	1085	815 (75%)	648 (57%)	LostP 30kHz (30min) Clock trouble
We 8/27	2956	43.0	2.6	329	307 (93%)	0 (0%)	LostP 20kHz Clock trouble
Su 8/31	2975	29.4	16.4	969	723 (75%)	626 (65%)	LostP 18kHz Test Store
	Totals		52.5	3867	3149 (81%)	2534 (66%)	
Mo 9/1	2977	43.8	20.3	1708	1470 (86%)	1450 (85%)	LostP 25kHz (30 min)
Tu 9/2	2979	44.5	7.1	861	740 (86%)	740 (86%)	LostP 25kHz (15 min)
We 9/3	2985	35.4	17.1	1320	916 (69%)	642 (49%)	Test Store LostP 7kHz, TEL trip
Th 9/4	2988	32.3	13.1	827	737 (89%)	537 (65%)	LostP (7)50kHz (1 hr) TeV RF trip (2 hrs)
Sa 9/6	2997	42.6	19.5	1554	1370 (88%)	1360 (87%)	Lost 28kHz (30 min)
	Totals		77.1	6270	5233 (83%)	4729 (75%)	



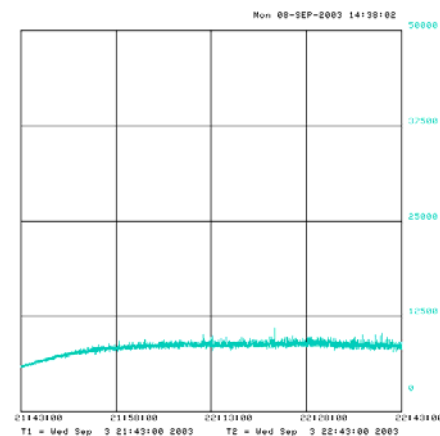
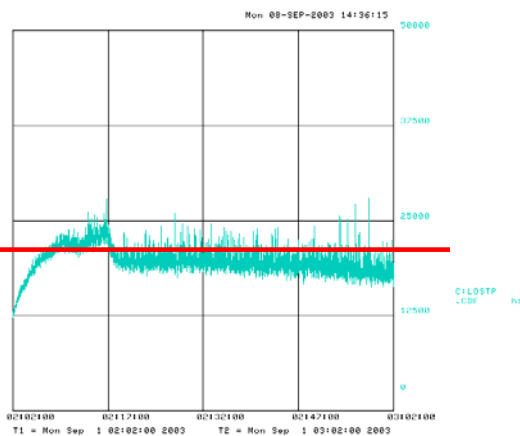
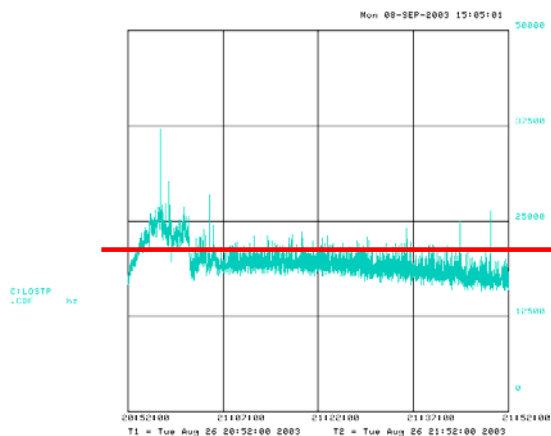
Proton Losses

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- **Proton Losses exceed 20kHz in 5/9 stores**
 - 4/5 stores with initial $L > 40e30$
 - Average store goes in at $\sim 10\text{kHz}$ and rises to 25-30kHz
- **Had 2 very nice stores with losses below 10kHz**
 - 5 bunch proton coalescing & dampers off
 - Initial luminosity $33e30$ & $35e30$





Detector Operations

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- **Silicon 2 SRC running**
 - Currently running with ISL & L00 readout on 2nd SRC
 - Data looks good
- **Muons in L2 trigger**
 - Pulsar Board
 - Beam tests successful
 - Currently included in standard running (not cutting)
 - Muon Board
 - Beam tests taken
 - Experts Analyzing
- **Switched from TV cable to fiber link for TeV sync and clock signals**
- **Installed 10 new TDCs**
 - 10 (2 E & 8 F) tested
 - Readout fine b0htdc00
 - Readout in spy mode in b0diag00
 - Installed in b0cot18 during Controlled Access
 - Exhibited byte shift error in spymode even with new prom
 - Currently in but non-spymode
- **Special Runs**
 - CMP phi gap trigger test
 - CLIST L2 error trigger test
 - Three Track Trigger test
 - SVX bias scans



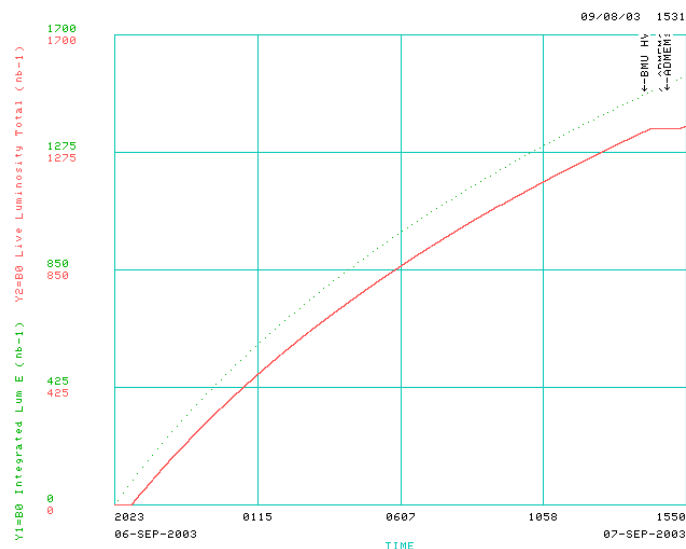
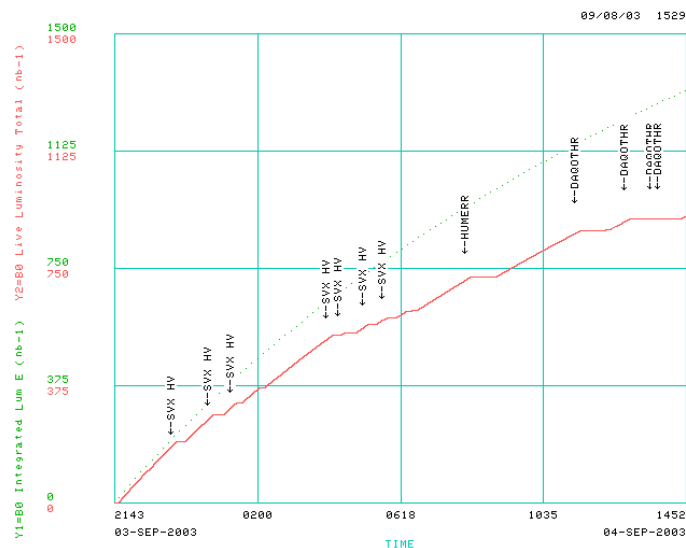
Detector Status

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- Completed all requests for beam tests before shutdown
- CDF Detector in very good shape heading into the shutdown
- Took 4 hour cosmic run before beginning work on the Detector for reference plots





Summary

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- Recorded 8.2pb^{-1} of 10.1pb^{-1} delivered for 83% efficiency in last two weeks
- Continue to monitor Proton losses at beginning of stores for Silicon safety and efficiency
- Enter the shutdown with the CDF Detector in good shape